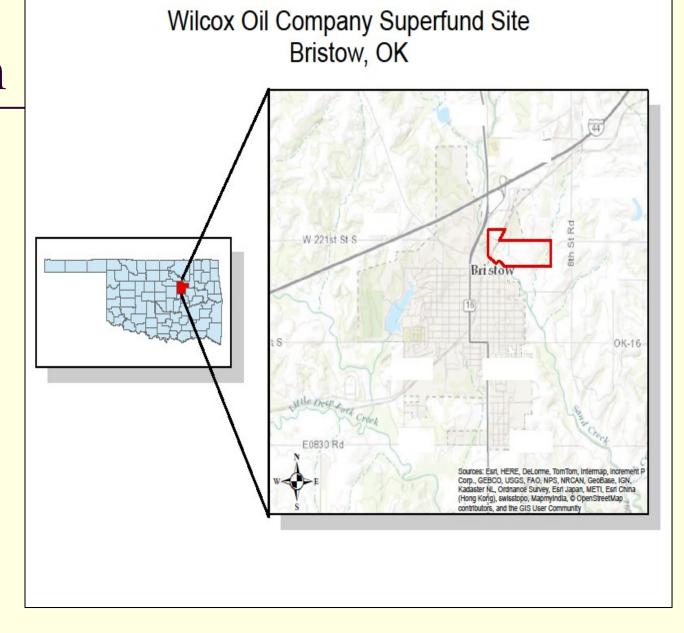
Wilcox Oil Company Superfund Site

Remedial Investigation Open House July 21, 2016

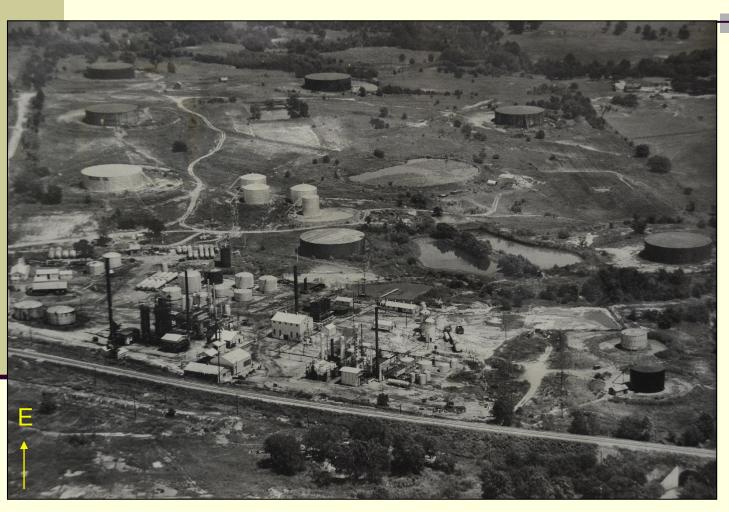


Site Location

The Site is situated NE of Bristow, Creek County, Oklahoma



Site Background



Operation:
Oil Refinery

Activity Period: 1915 through 1963

Size:
about 140 to 150
acres

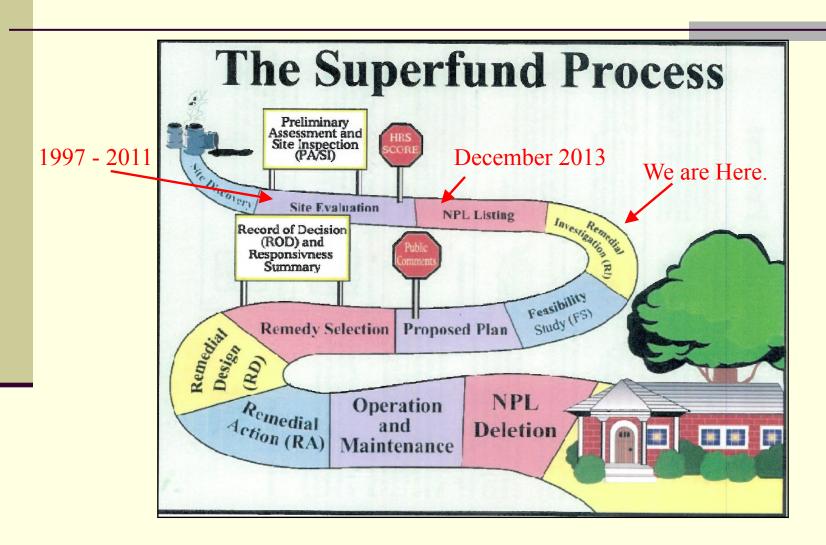
1950s Aerial Photograph

Site Discovery

- ODEQ Inventory Review
- Site Investigations
 - Preliminary Assessment (PA)
 - Site Inspection (SI)
 - Expanded Site Inspection (ESI)
- Soil data indicated that high concentrations of organics and metals are present.
- National Priorities List
 - Proposed: May 24, 2013
 - Listed: December 12, 2013



Superfund Process



Remedial Process

- Remedial Investigation collects data to:
 - Determine Site conditions
 - Determine nature of wastes
 - Evaluate risk from the Site to human health and environment

■ Feasibility Study (FS) develops, screens, and evaluates different cleanup options

Site Remedial Investigation (RI)



Site Remedial Investigation (RI)



Activities Completed

Potentially Responsible Party Search

- No offer to perform the work
- July 2015

Sampling/Fencing

- Residential: May/June 2015
- Well: Semi-Annual beginning 2015
- Fencing: July 2015

Phase 1

- Geophysics: September 2015
- Direct Sensing: December 2015

RI Field Work

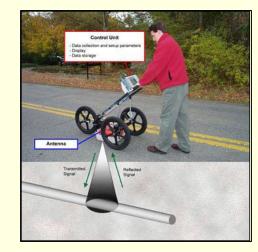
Phase 1

- Develop an understanding of
 - Site geology
 - Site Operation Features
 - Waste Locations

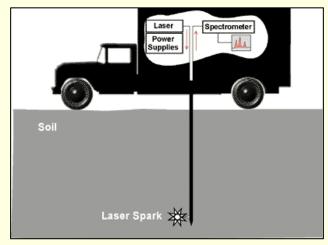
Phase 2

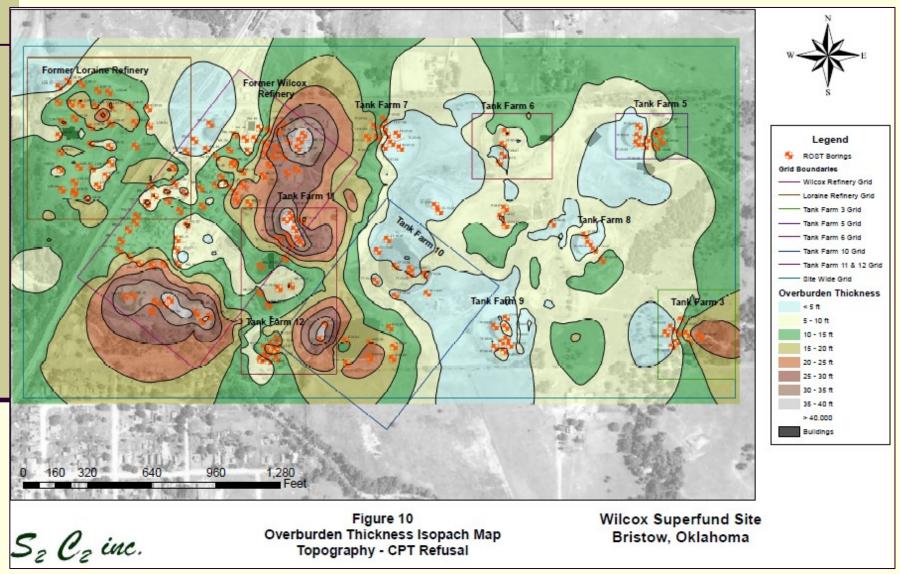
- Define the
 - Site Risks
 - Nature and Extent of Contamination

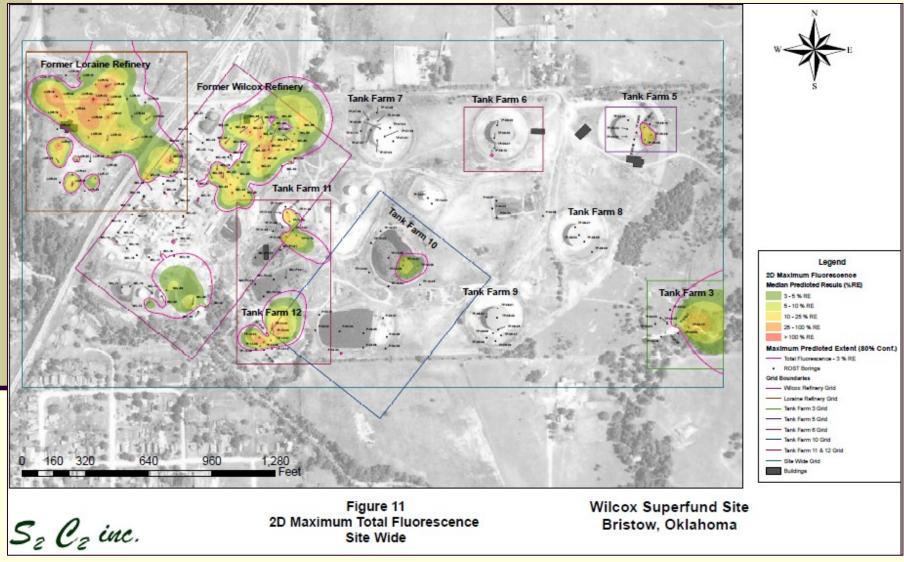
- Geophysical Survey
 - Ground Penetrating Radar
 - Electromagnetic Survey
 - Trenching

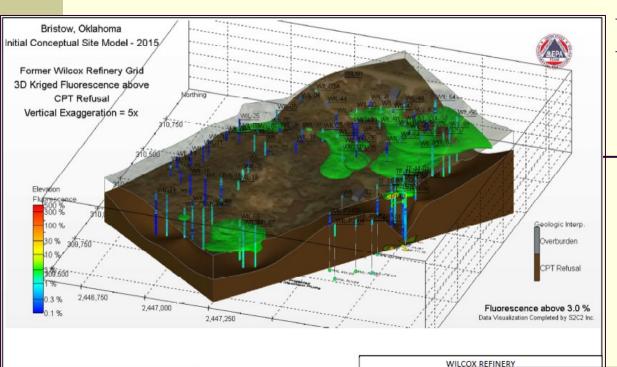


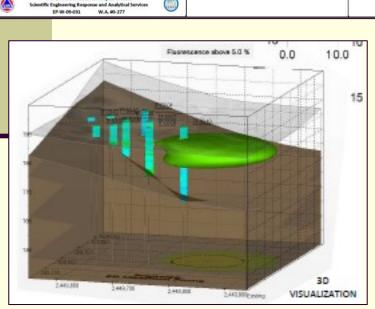
- Soil and Contaminant Survey
 - Cone Penetrometer
 - Light Induced Fluorescence



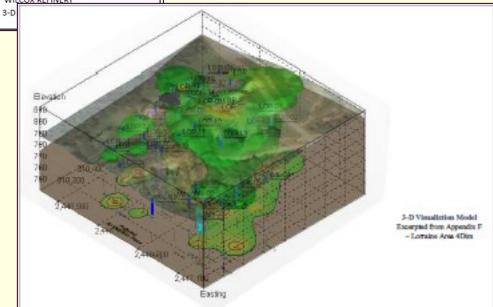








U.S. EPA Environmental Response Team

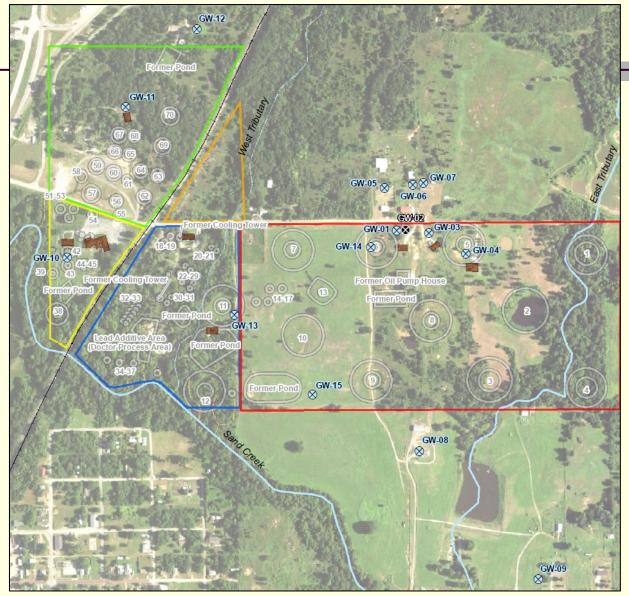


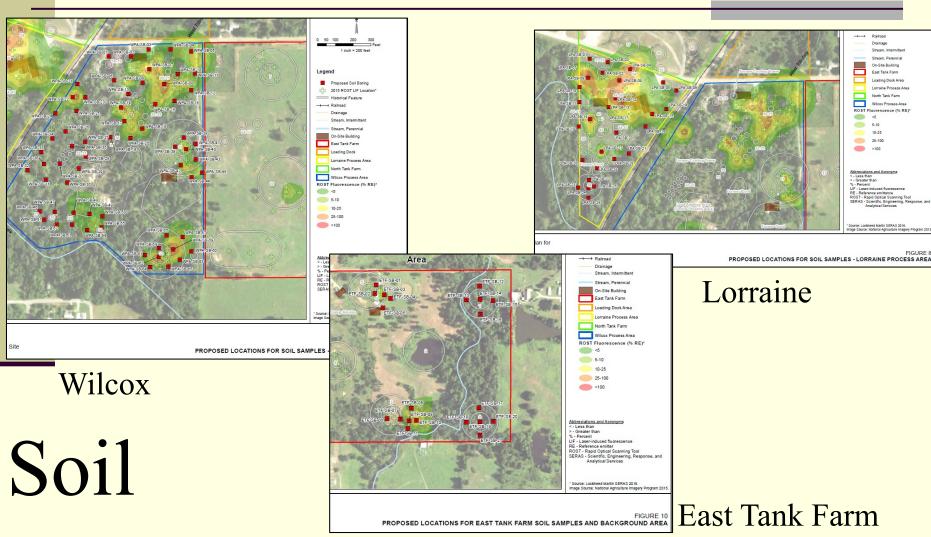
■ Site Work Plans

- Began Development December 2015 Based on Phase 1 Data
- Finalize Mobilization 1: August 2016

■ Site Field Work

- August/September 2016
- Ground Water, Soil, and Vapor Sampling
- Time permitting: surface water and sediment sampling



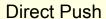


Soil



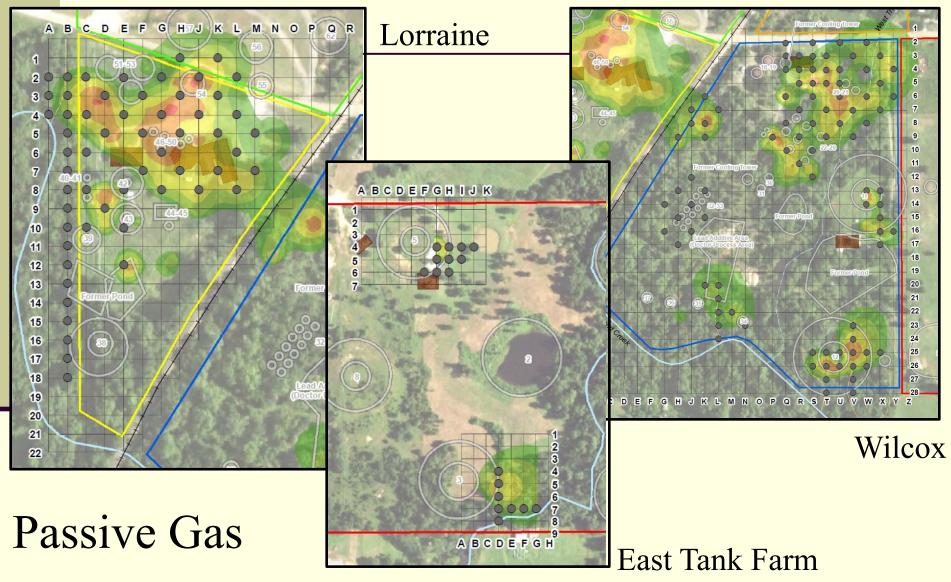










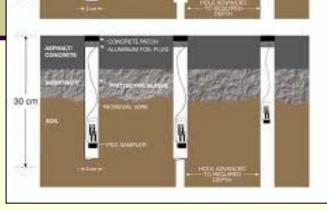


Passive Gas

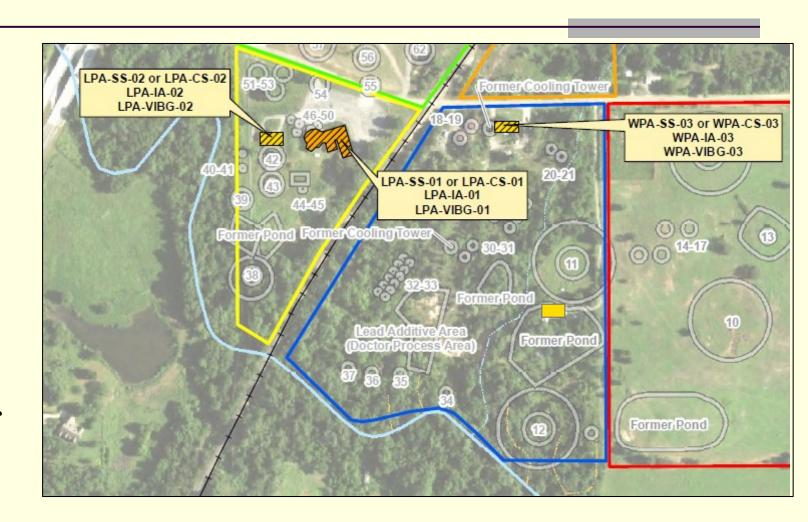




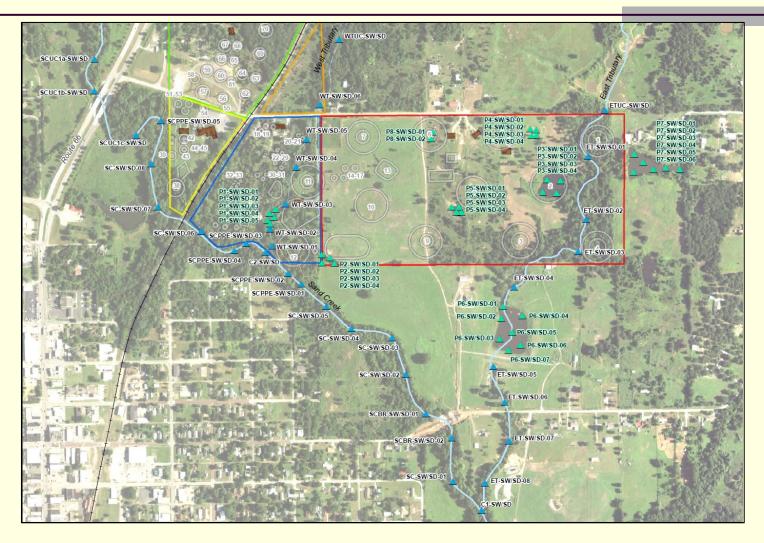








Indoor Air







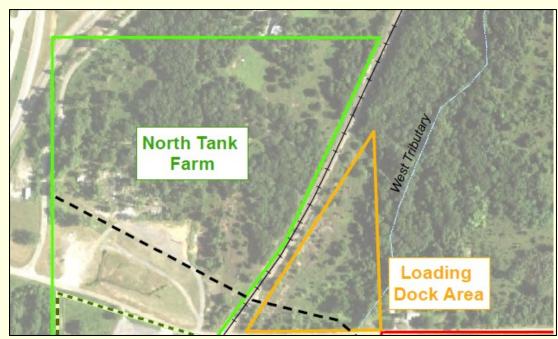






Sediment and Surface Water

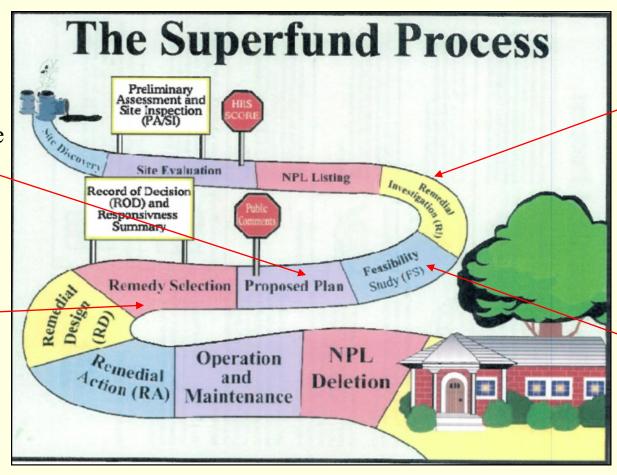
- North Tank Farm
- Loading Dock
- Data Gaps from Mobilization 1
- Early 2017



Future Work

Proposed Plan to present the preferred clean up option to the public (2017)

Record of _ Decision to establish the Site clean up (2018)



We are Here.

Feasibility Report to summarize clean up options (2017)

Community Participation

- Site documents can be found at:
 - Bristow Public Library
 - Oklahoma Department of Environmental Quality
- Web Resources
 - ODEQ: www.deq.state.ok.us/lpdnew/index.htm
 - U.S. EPA: http://www.epa.gov/superfund/search-superfund-sites-where-you-live

Contacts

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ODEQ, Project Manager: Todd Downham	405-702-5136
■ EPA, Community Involvement: Bill Little	214-665-8131
■ EPA toll-free number	800-533-5308